



## GOLDEN ENERGY OFFSHORE

## MV Energy Partner of Ulstein PX121 DESIGN



## TECHNICAL OUTLINE SPECIFICATION

# **MULTIPURPOSE FIELD SUPPLY-, PIPE CARRIER, SPECIAL PURPOSE VESSEL**

Rev.: 07/01/2026

**Yard: Hull #N570 @ Cosco Guangzhou Shipyard, China  
Delivered 14/01/2016**

Name of ship:	Energy Partner
Port of registry:	Aalesund
Distinctive number or letters:	LAVB8
IMO Number:	9709128
<b>Maritime Mobile Service Identity (MMSI):</b>	<b>257 471 000</b>
LR ID:	9709128
DNV ID:	37224

**MAIN DESCRIPTION**
**MEASUREMENTS**

Type : PLATFORM SUPPLY VESSEL.

Classification:

\* LR X 100 A1 Offshore Supply Ship, Firefighting 1  
2.400 m<sup>3</sup>/h with waterspray HNLS  
IWS ECO (TOC) LMC UMS DPA (AA)

ERN 99.99.94.86

Length o.a.	: 83,4m
Length p.p	: 79,553m
Breadth mld.	: 18,00m
Design draught	: 6,0m
Draught max.	: 6,70m
Moulded draught to M.D.	: 8,00m
Lowest service draft	: 3,2m
DWT	: 4138T
Gross Tonnage	: 3638
Net Tonnage	: 1295
Deck load, VCG	: 1950T

**CARGO CAPACITIES**
**DISCHARGE RATES**

Work/Cargo Deck area: 858m<sup>2</sup> (L 50,4 x B 15 + L 7 x B 14,5)

Usable Deck area: 850m<sup>2</sup>

Deck strength: 10t/m<sup>2</sup> aft of #35, 5t/m<sup>2</sup> elsewhere

Cargo tks\_ : Vessel has 10 x combi tanks for mud/brine /slop/ etc.

Fresh Water	: 576m <sup>3</sup>	0 - 200m <sup>3</sup> /hour -	9 bar
Fuel Oil	: 1464m <sup>3</sup>	- 9208 US bbl	0 - 200m <sup>3</sup> /hour -
FO giveaway	: **1000m <sup>3</sup>	- 6289 US bbl	
Liquid Mud	: 1292 m <sup>3</sup> total volume	- 8132 US bbl	2x 0 - 75m <sup>3</sup> /hour -
(Water based	: *1163m <sup>3</sup> i.e. @ 90% Sg. 2,8	- 7315 US bbl)	2x 0 - 75m <sup>3</sup> /hour -
(Oil based	: *800m <sup>3</sup>	- 5031 US bbl)	2x 0 - 75m <sup>3</sup> /hour -
Brine / Slop	: 1163m <sup>3</sup> i.e. @ 90% Sg. 2,8	- 8132 US bbl	75m <sup>3</sup> /hour -
DW/ballast	: 1446m <sup>3</sup>	0 - 200m <sup>3</sup> /hour -	9 bar
Methanol	: 153m <sup>3</sup> 2 tanks	- 962 US bbl	2 x 0 - 75m <sup>3</sup> /hour -
Baseoil	: 257m <sup>3</sup> 2 tanks	- 1616 US bbl	0 - 150m <sup>3</sup> /hour -
Cement/barite	: 255m <sup>3</sup> 4 tanks	- 8969 Ft <sup>3</sup>	2 x compr. 30 m <sup>3</sup> /min.-
Slop	: 506m <sup>3</sup> 4 comb tks	- 3182 US bbl	2x 0-75m <sup>3</sup> /hour -

\* Max capacity of each product

\*\* According to IOPP regulations



Height of cargo rail: 4m

All mud / brine tanks have agitators.

Inert Gas Generator installed, capacity: 100 Nm<sup>3</sup>/h with 97% nitrogen (N<sub>2</sub>) purity.

Flow meter for Fuel Oil and FW.

Loading and discharge stations on both sides amidships and aft.

Work air on Main Deck: 7 bar

Lashing points on Main Deck:

16 x lashing points (A) SWL 5T on cargo rail

28 x lashing points (B) SWL 5T on cargo rail

18 x flush D-ring (A) lashing points SWL 10T on cargo rail

6 x flush D-ring (B) lashing points SWL 5T on cargo rail

30 x deck socket for lashing

12 x rollers (6 each side) for tugger wire arranged in cargo rail

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#### MACHINERY -PROPELLUTION

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Main eng.: 2 x Caterpillar C3512 1630 kW each  
 Generator: 2 x Leroy Somer LSA 52.2 M60/4p  
 Main eng.: 2 x Caterpillar C32 994 kW each  
 Generator: 2 x Leroy Somer LSA 50.1 M60/4p  
 Emergency gen. : Caterpillar C4.4, 99 ekW  
 Propellers : 2 x Schottel STP 1212, 1,600 kW each  
 Bow thruster: 2x Tunnel thr. CP Schottel 880 kW each

#### PERFORMANCE @ draft 4,8m

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Full speed (all generators running)	: 14,5 kts	~ 18,1 mt/day
Service speed/cons.	: 13 kts	~ 15,5 mt /day
ECO high speed	: 11,5kts	~ 10,3 mt/day
ECO medium speed	: 10,8kts	~ 8,6 mt/day
Eco speed/cons.	: 10,5 kts	~ 7,7 mt /day
ECO slow speed	: 10 kts	~ 7 mt/day
DP nice weather 2 gen online	: 4 mt/day	
DP med. weather 2 gen online	: 6 mt/day	
DP rough weather 4 gen online	: 6,6 mt/day	
Port consumption	: 1 mt/ day	

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#### DECK/RESCUE EQUIPMENT

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Lifesaving equipment according to NMA requirement  
 1 off Fast Rescue Craft: Mare 600 FRB, inboard diesel  
 1 off (SOLAS approved) TTS Davit  
 Life rafts : 2x20 +1x6pers. each side  
 Survival Suits : 30  
 Life Jackets : 30  
 Tugger Winches : 2 x 10t  
 Capstans : 2 x 10t  
 Windlass/Mooring : 1 double 15t  
 Cranes : 3t@18m  
 Waste Compactor : 1 off  
 FIFI 1 - 2 x monitors : 3.820m<sup>3</sup>/hr – 120m

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#### ACCOMMODATION

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Total	: 26 persons
Cabins	: 14 x 1 (single) bed cabins
Cabins	: 6 x 2 (double) bed cabins
Day room Smokers	: 1 off, B deck
Day room No smokers	: 1 off, A deck
Mess room	: 1 off, A deck
Hospital	: 1 off, Main deck
Reception	: 1 off, Main deck
Laundry	: 1 off, Main deck
Gymnasium	: 1 off, Main deck
Ship's office	: 1 off, C deck
Conference room	: 1 off, C deck





## **REEFER SOCKETS ON MAIN DECK:**

6 pcs of reefer sockets 440v/32amps, located close to tugger winches - 3pcs each side

6 pcs of reefer sockets 440v/32amps, located behind buoyancy room in crash barrier(midship) - 3pcs each side

1 pcs reefer socket 220v/16amps located in deck workshop.

NAVIGATION EQUIPMENT	COMMUNICATION EQUIPMENT
1 off S-Band JMCJMA -9132-SA ARPA radar	1 off JRC JSS-2150 MF/HF SSB w/ DSC
1 off X-Band JRC JMA -9122-9XA ARPA radar,	1 off JRC NCR-333 Navtex receiver
1 x JRC JAN-901B-FOR DGPS for navigation	2 off Inmarsat C (with SSAS & LRIT)
1 x Transas Navi-Sailor 4000 MFD ECDIS system	1 off JRC JUE-251 Fleet Broadband
1 x Magnetic compass Yokogava SR-165	1 off KVH VSAT system
3 x Yokogawa CMZ900 Gyro	2 off JRC JHS-770S VHF with DSC
1 off Echo Sounder	1 off JRC JHS-770S VHF
1 off Doppler speed Log	3 off Entel HT 544 portable GMDSS VHF's
1 off DP system K-POS DP 2	1 off Entel HT 649 portable VHF
3 off MRU D	3 off Entel HT 743 portable UHF's
3 off Windobserver II sensors	
2 off Seatex DPS 110	
1 off Cyscan Mark IV Laser Pos Ref System	
1 off Radius 1000 w/ 2 x interrogators and 1 x Radius 700	

TELEPHONE SWITCH BOARD:	FIRE FIGHTING SYSTEM:
Intercom: Ulstein VCOM	According to Class requirement Fire fighting in Engine Room by Water mist (local application) CO2. In Paint Store by sprinkler



